## We claim:

1. A functionalized, structurally modified silica, characterized by functional groups fixed on the surface, the groups being 3-methacryloxypropylsilyl and/or glycidyloxypropylsilyl, with the following physico-chemical characteristic data:

	5	BET surface area	$m^2/g$	25 - 380
		Primary particle size	nm	6 - 45
		Tamped density	g/l	50 - 400
		pН		3 - 10
		Carbon content	%	0.1 - 15
-	LO	DBP number	%	<200

- 2. The functionalized, structurally modified silicia of Claim 1 wherein the silicia is produced by pyrolysis prior to surface modification.
- 3. The functionalized, structurally modified silicia of Claim 1 wherein the BET surface area ranges from 90±15 to 380±15.
- 4. A process for the preparation of functionalized, structurally modified silica according to Claim 1, comprising spraying silica first with water or dilute acid and then with a surface modification reagent or a mixture of several surface modification reagents in a mixing vessel, intensively mixing the silicia and said reagent, optionally re-mixing the silica for 15 to 30 minutes and then heat-treating at a temperature of 100 to 400 °C over a period of 1 to 6 h, to thereby produce a functionalized silica, then destructuring or compacting said silica and optionally re-grinding said silica in a mill.
  - 5. A coating composition containing the functionalized, structurally modified silica according to Claim 1 in a binder vehicle.